Case 90 Retained

Fig. 1

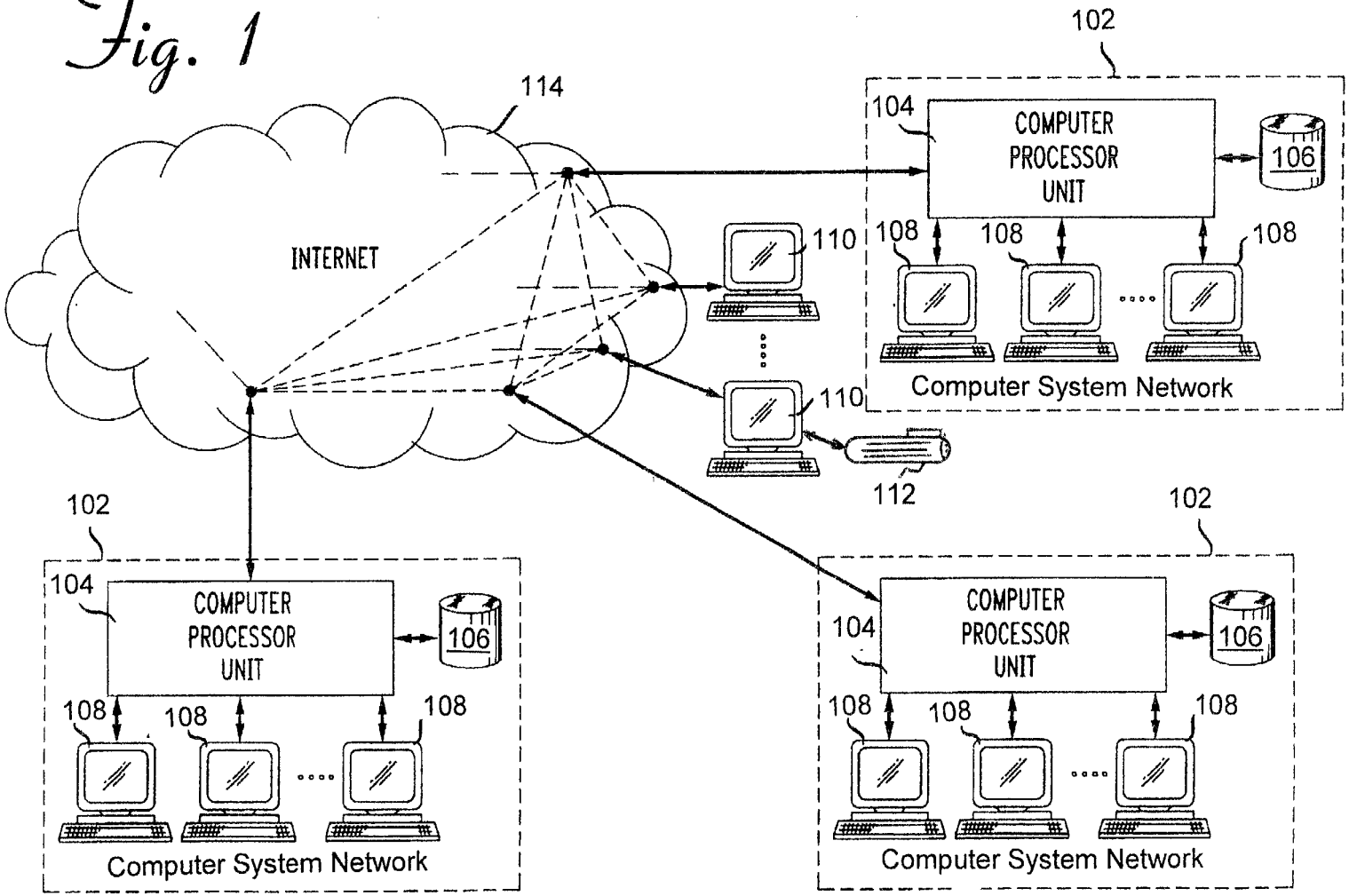


Fig. 2

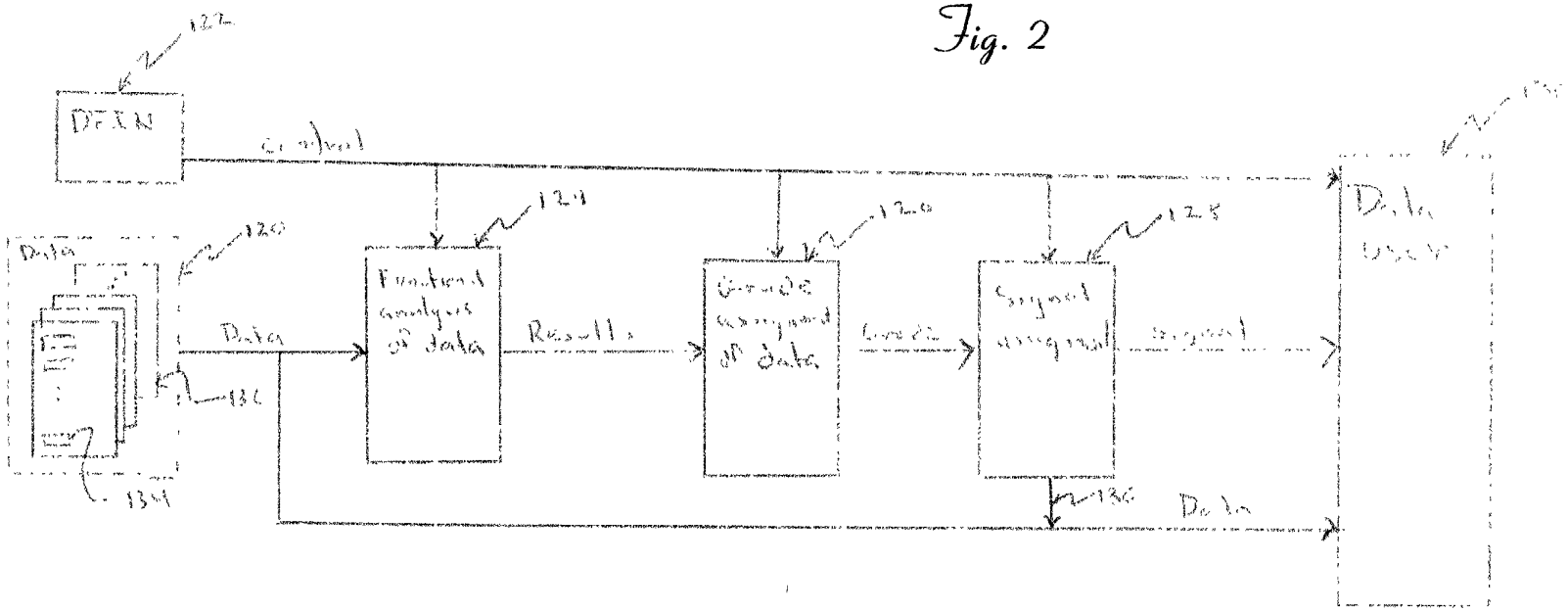

DFIN
Control
Data
Data
Result
Control
Signal
Data
Data
Data
Data

Fig. 3

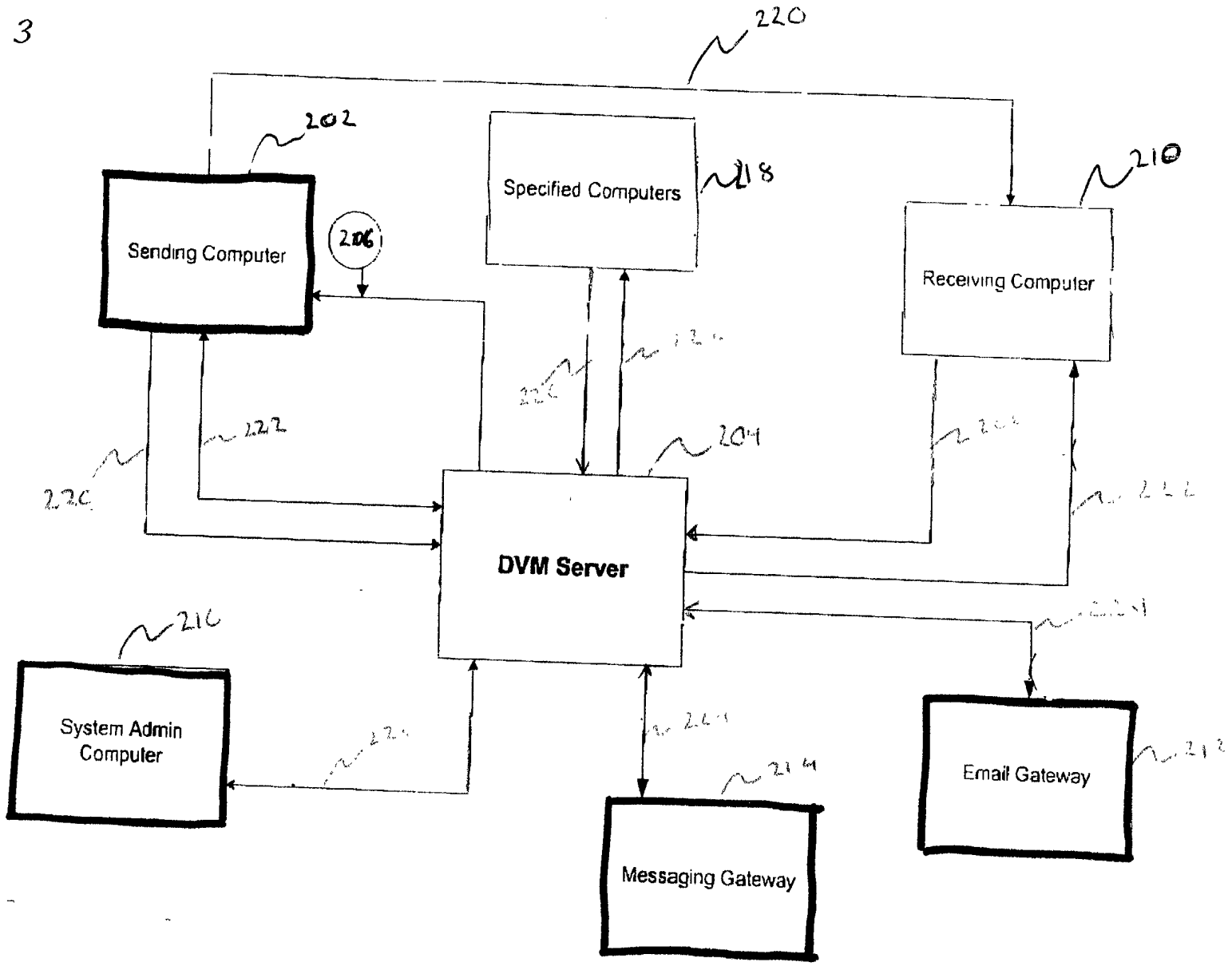

220
202
Specified Computers
218
210
Sending Computer
206
Receiving Computer
222
204
226
DVM Server
216
System Admin Computer
Email Gateway
Messaging Gateway

Fig. 4

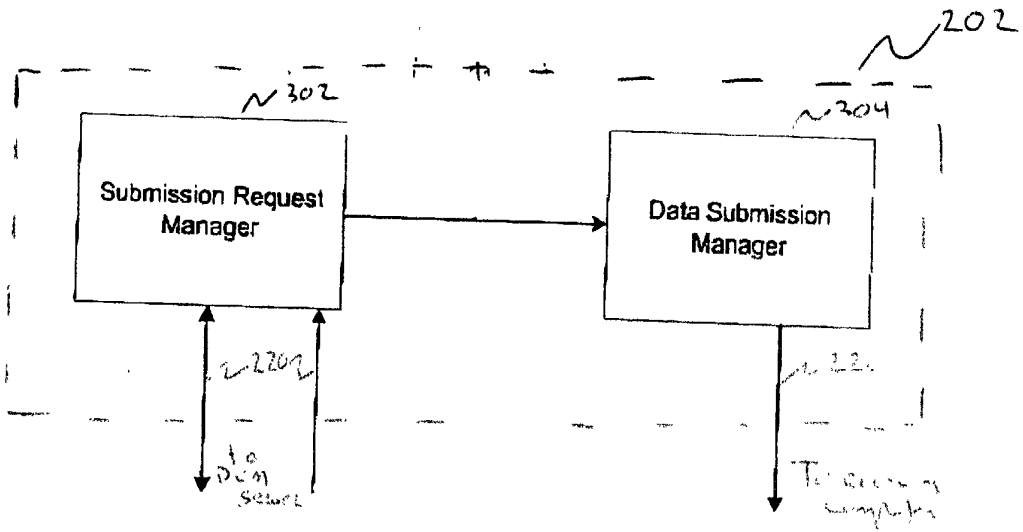

202
302
304
Submission Request Manager
Data Submission Manager

Fig. 5

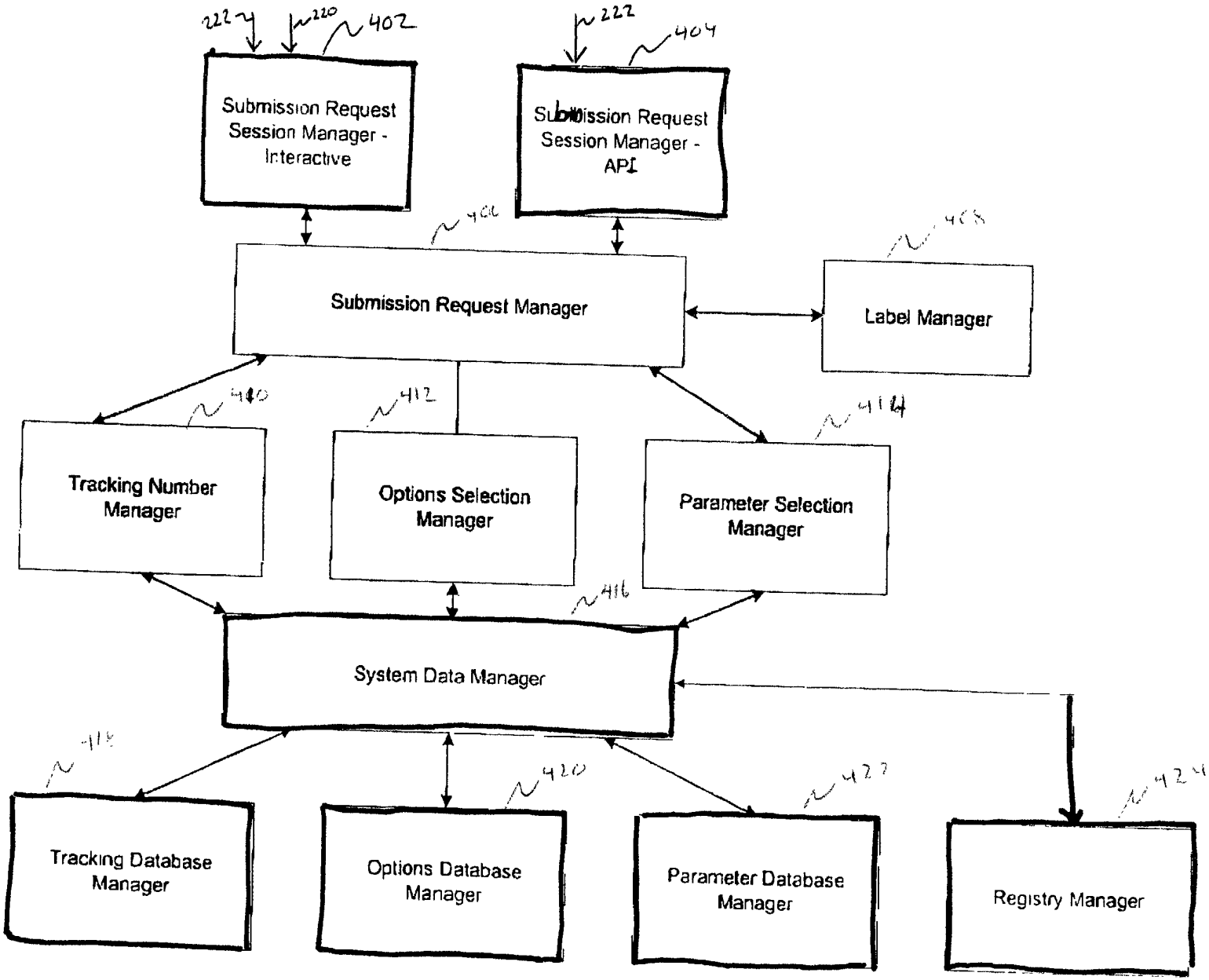

Submission Request Session Manager - Interactive
Submission Request Session Manager - API
Submission Request Manager
Label Manager
Tracking Number Manager
Options Selection Manager
Parameter Selection Manager
System Data Manager
Tracking Database Manager
Options Database Manager
Parameter Database Manager
Registry Manager

Fig. 6

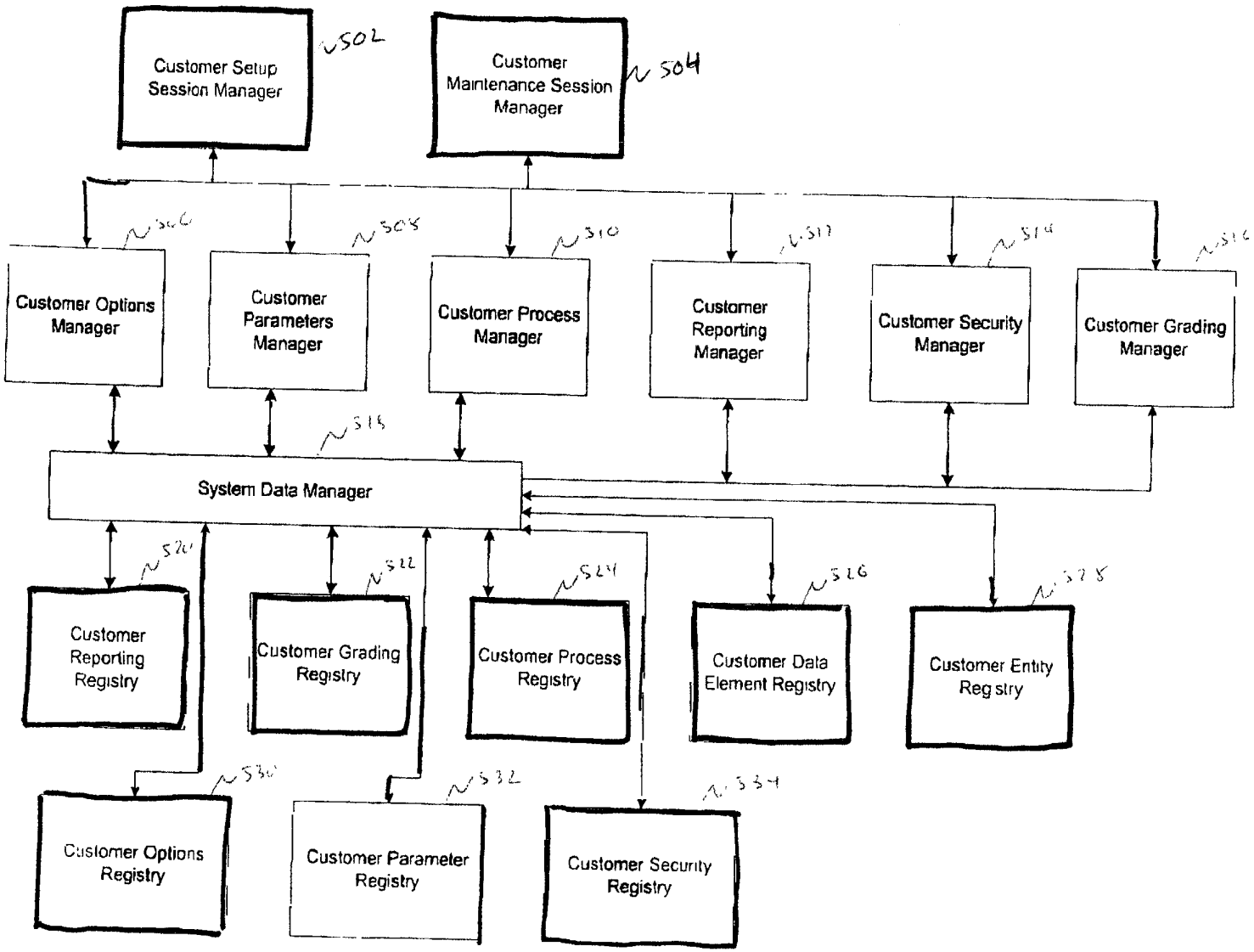

Customer Setup Session Manager
502
Customer Maintenance Session Manager
504
Customer Options Manager
506
Customer Parameters Manager
508
Customer Process Manager
510
Customer Reporting Manager
512
Customer Security Manager
514
Customer Grading Manager
516
System Data Manager
518
Customer Reporting Registry
520
Customer Grading Registry
522
Customer Process Registry
524
Customer Data Element Registry
526
Customer Entity Registry
528
Customer Options Registry
530
Customer Parameter Registry
532
Customer Security Registry
534

Fig. 7

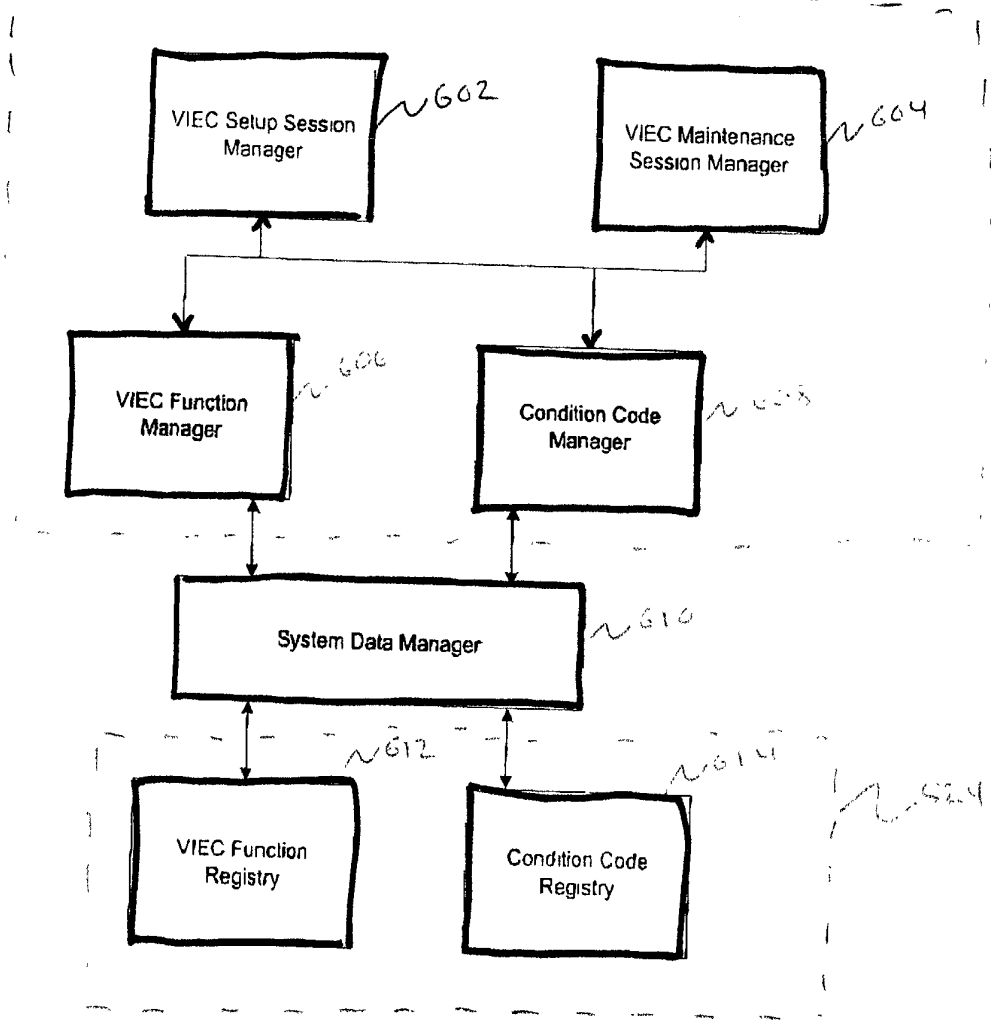

VIEC Setup Session Manager
602
VIEC Maintenance Session Manager
604
VIEC Function Manager
606
Condition Code Manager
System Data Manager
610
612
VIEC Function Registry
Condition Code Registry

Fig. 8

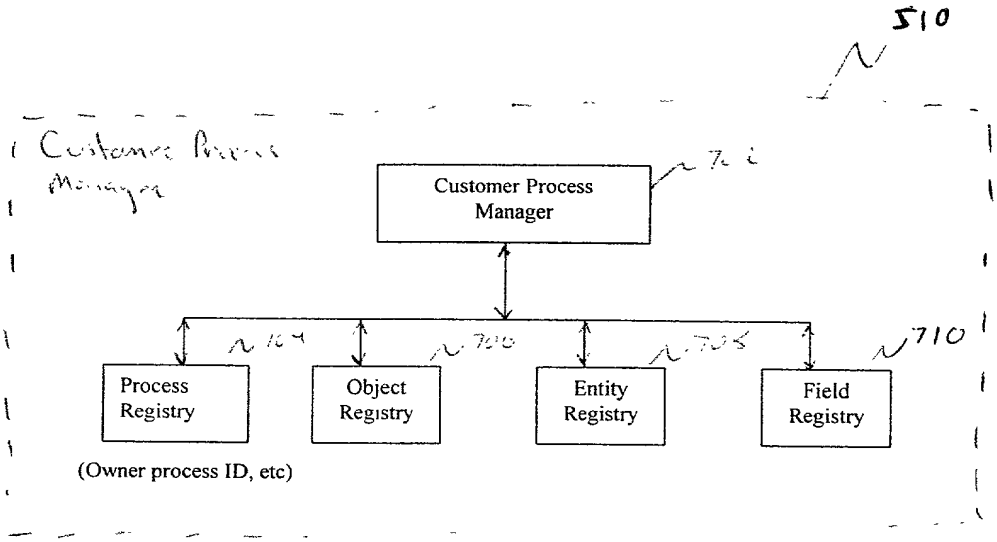

510
Customer Process Manager
Customer Process Manager
710
Process Registry
Object Registry
Entity Registry
Field Registry
(Owner process ID, etc)

Fig. 9

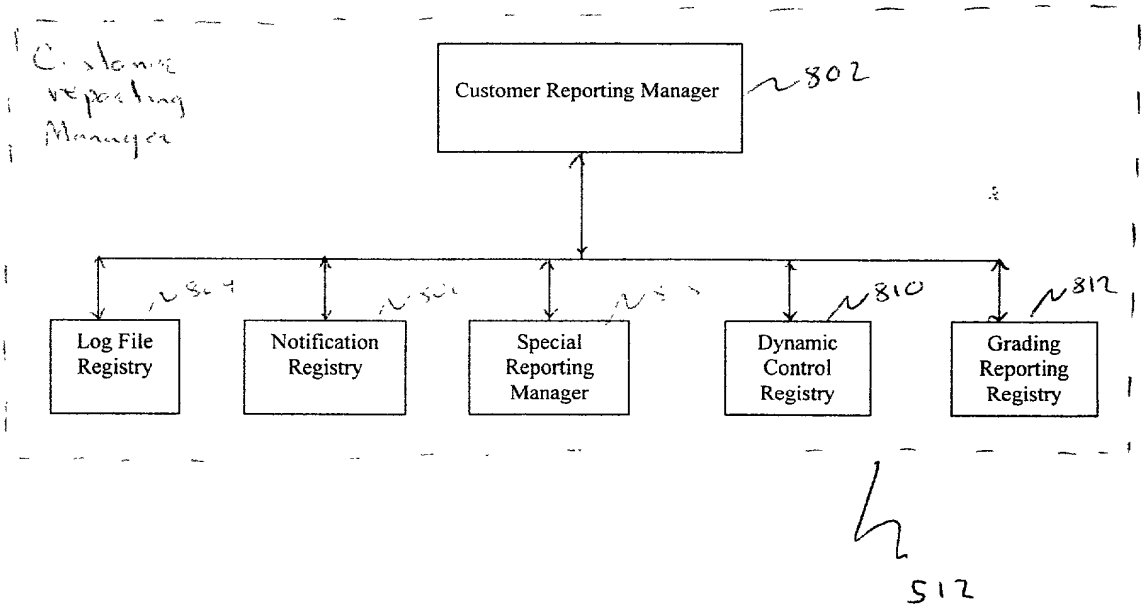
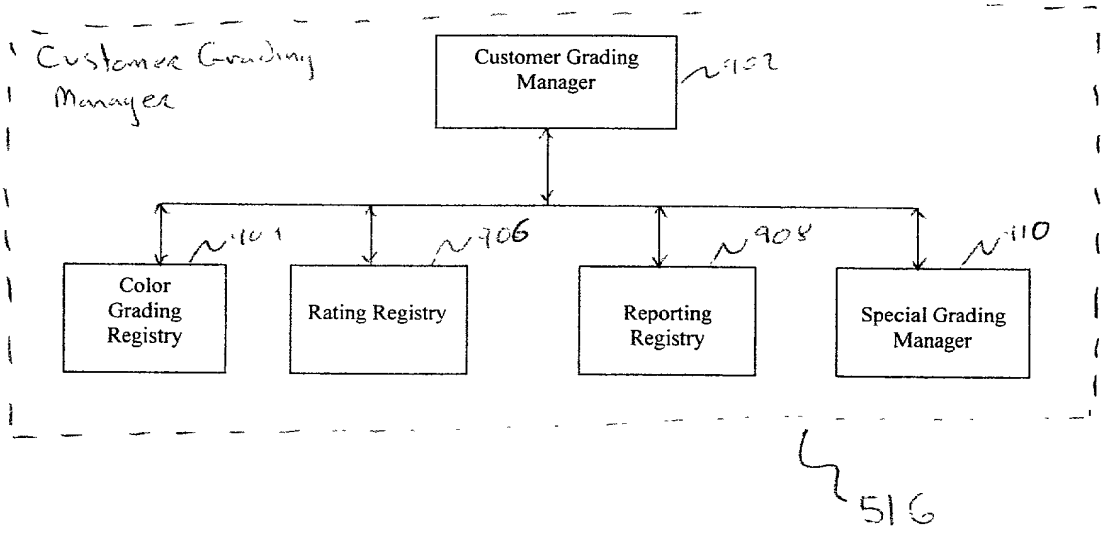

Customer Reporting Manager
802
Log File Registry
Notification Registry
Special Reporting Manager
Dynamic Control Registry
810
Grading Reporting Registry
812
512

Fig. 10


Customer Grading Manager
Customer Grading Manager
102
Color Grading Registry
104
Rating Registry
106
Reporting Registry
108
Special Grading Manager
110
516

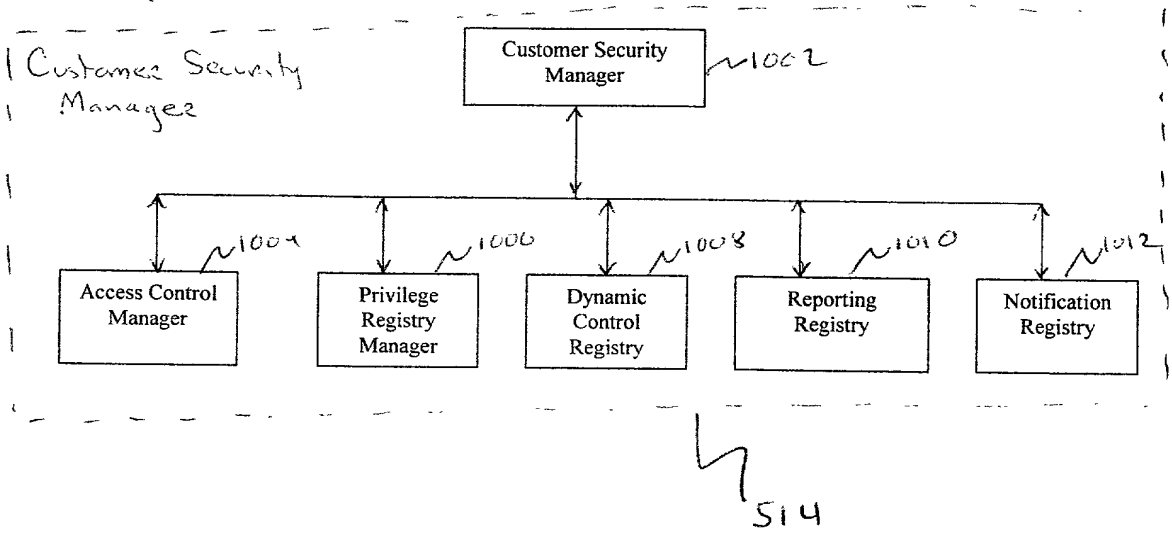

Customer Security Manager
1002
Customer Security Manager
Access Control Manager
1004
Privilege Registry Manager
1006
Dynamic Control Registry
1008
Reporting Registry
1010
Notification Registry
1012
514

Fig. 11

PUBLISHED PATENTED

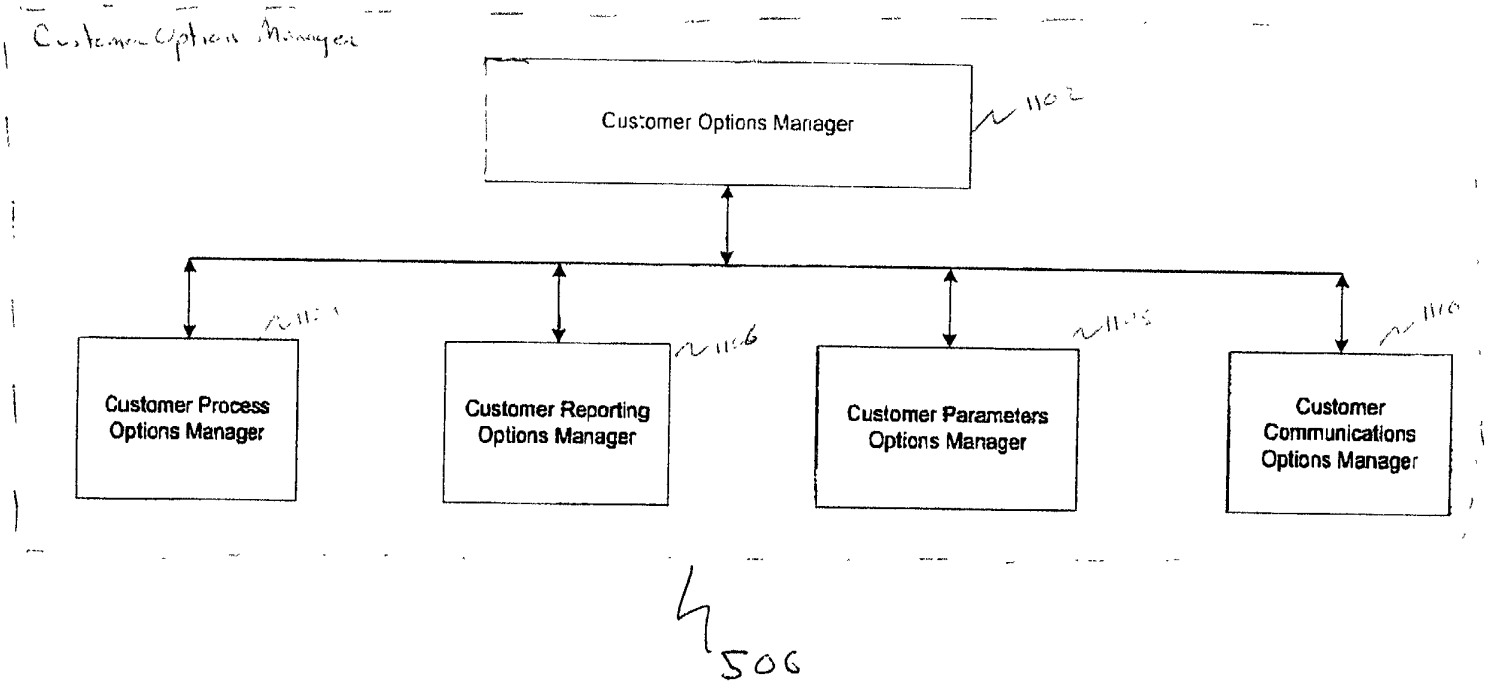


Fig. 12

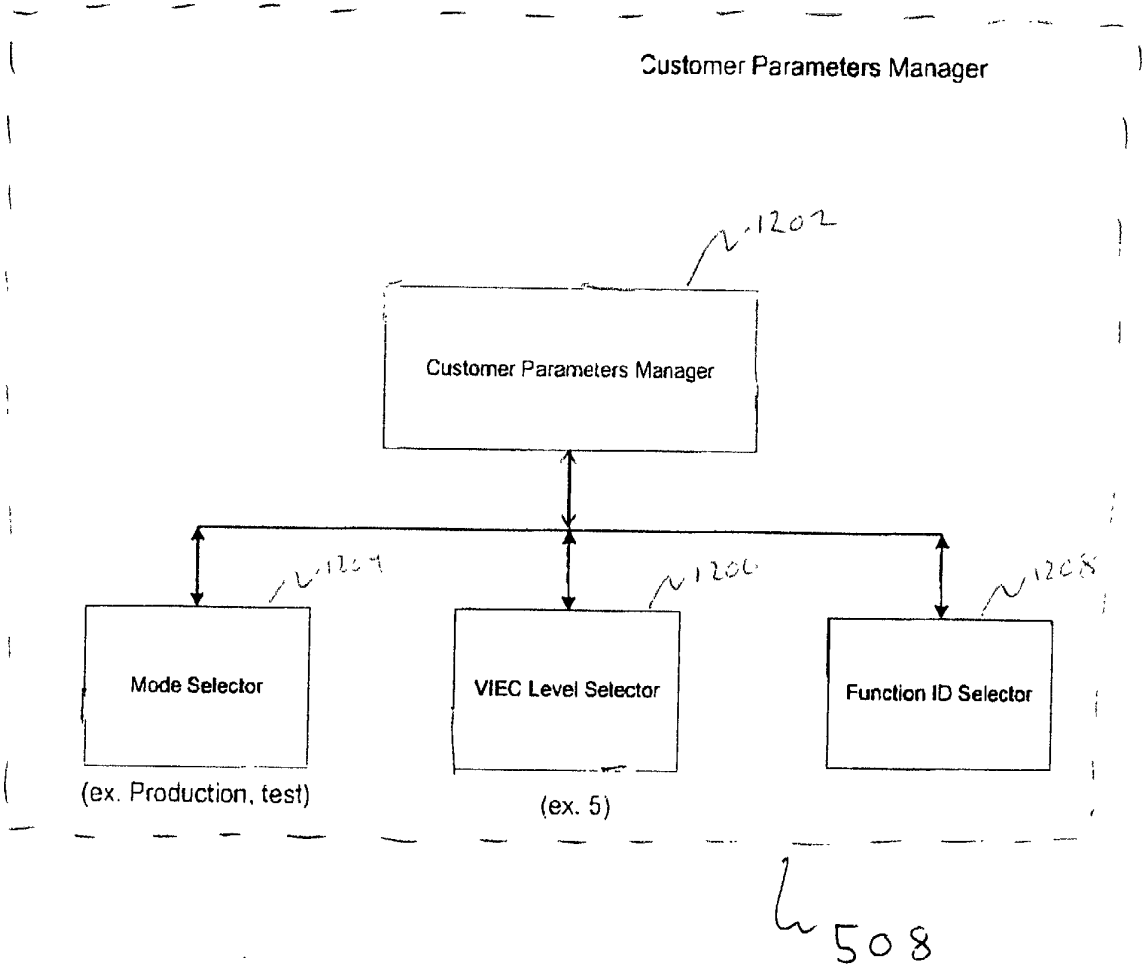

Customer Parameters Manager
1202
Customer Parameters Manager
1204
1206
1208
Mode Selector
VIEC Level Selector
Function ID Selector
(ex. Production, test)
(ex. 5)
508

Fig. 13

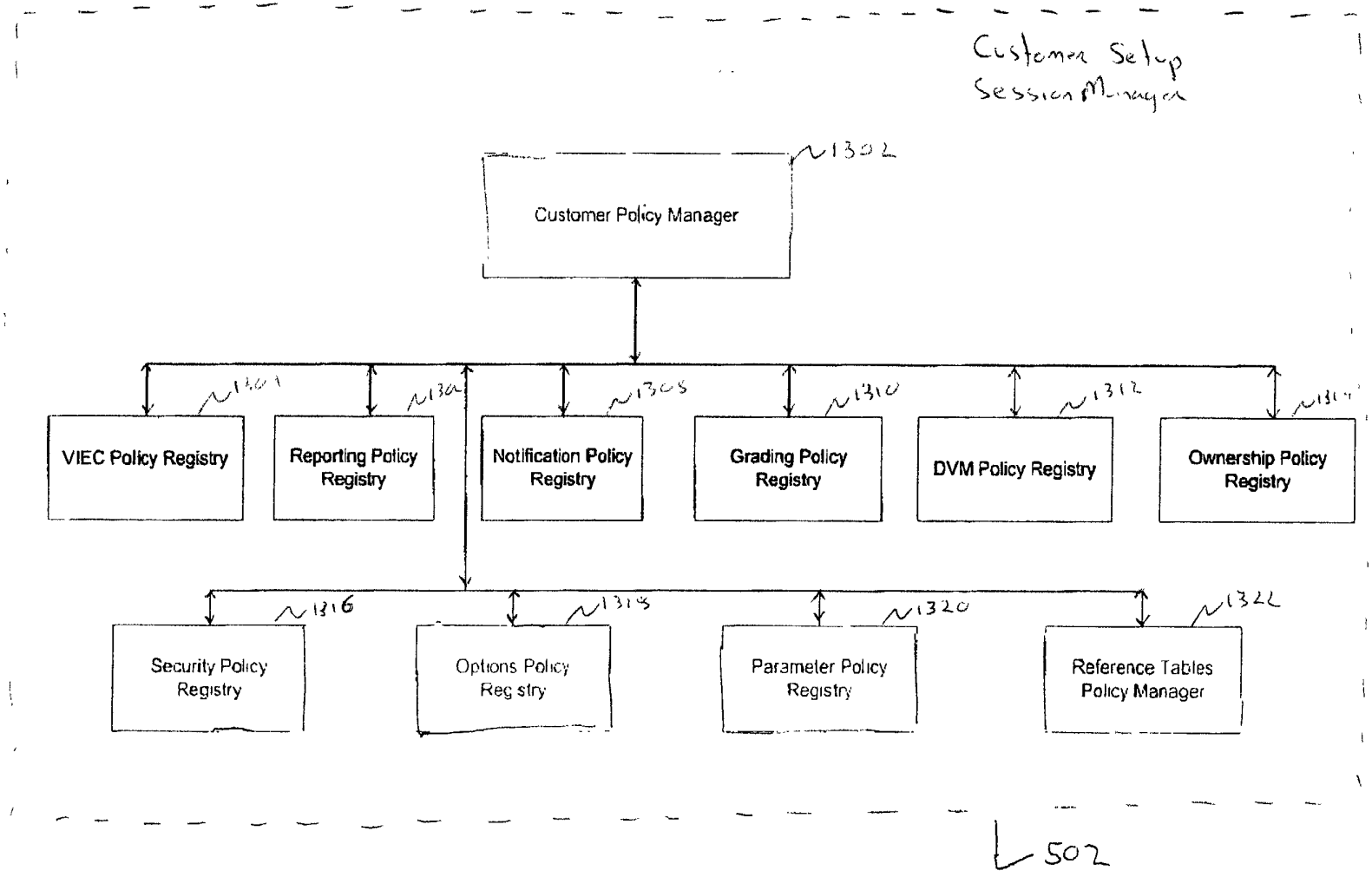

Customer Setup
Session Manager
1302
Customer Policy Manager
1304
VIEC Policy Registry
1306
Reporting Policy Registry
1308
Notification Policy Registry
1310
Grading Policy Registry
1312
DVM Policy Registry
1314
Ownership Policy Registry
1316
Security Policy Registry
1318
Options Policy Registry
1320
Parameter Policy Registry
1322
Reference Tables Policy Manager
502

Fig. 14

Passed Patented

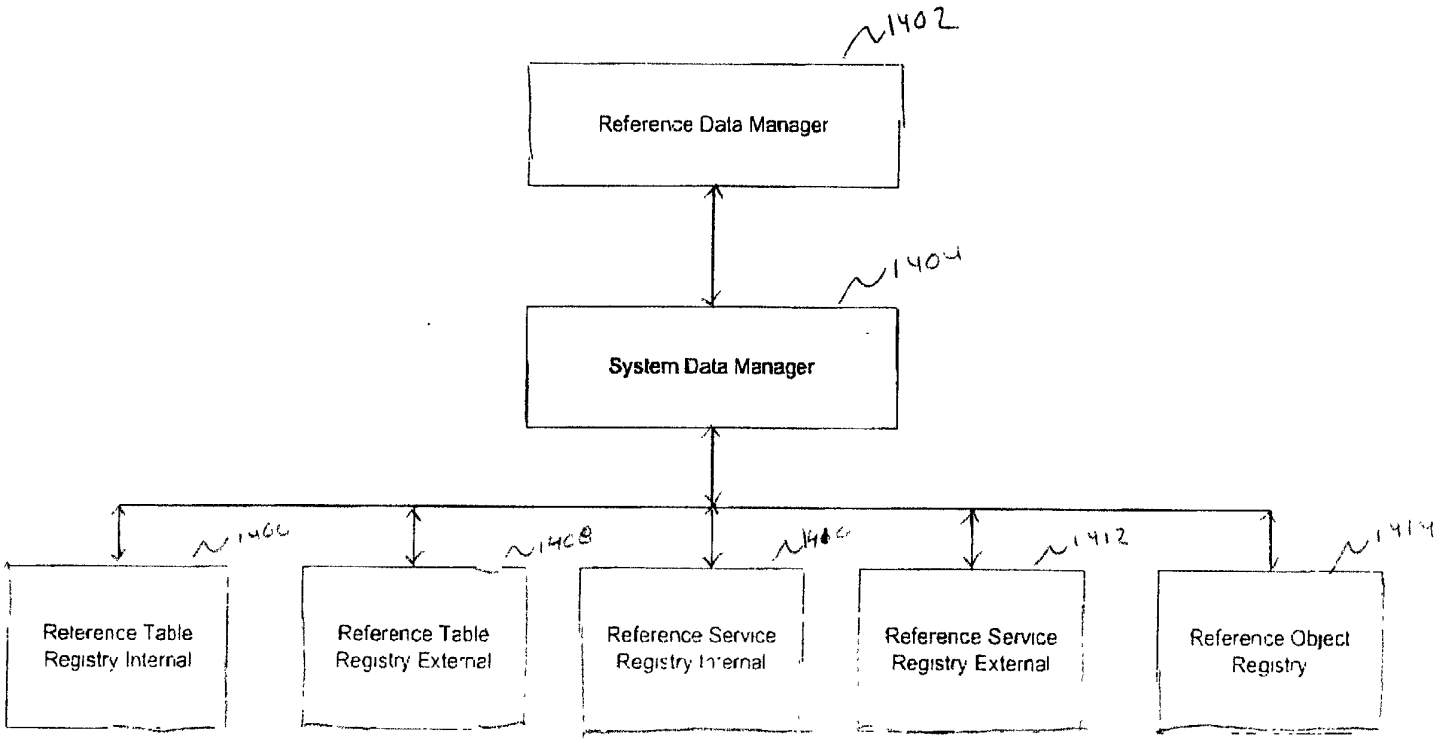
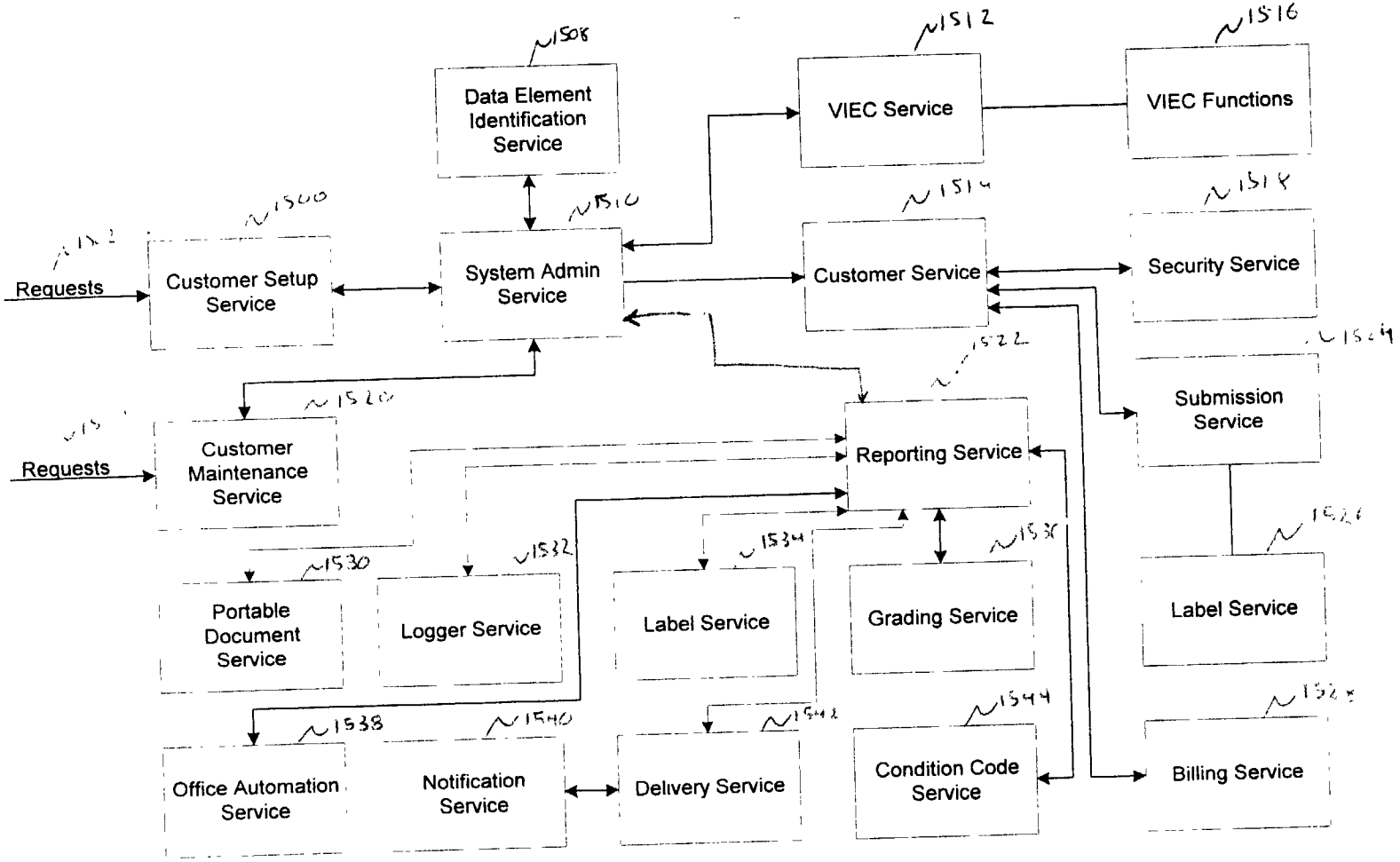


Fig. 15

SCANNED,# 20

Fig. 16



SCANNED,# 20

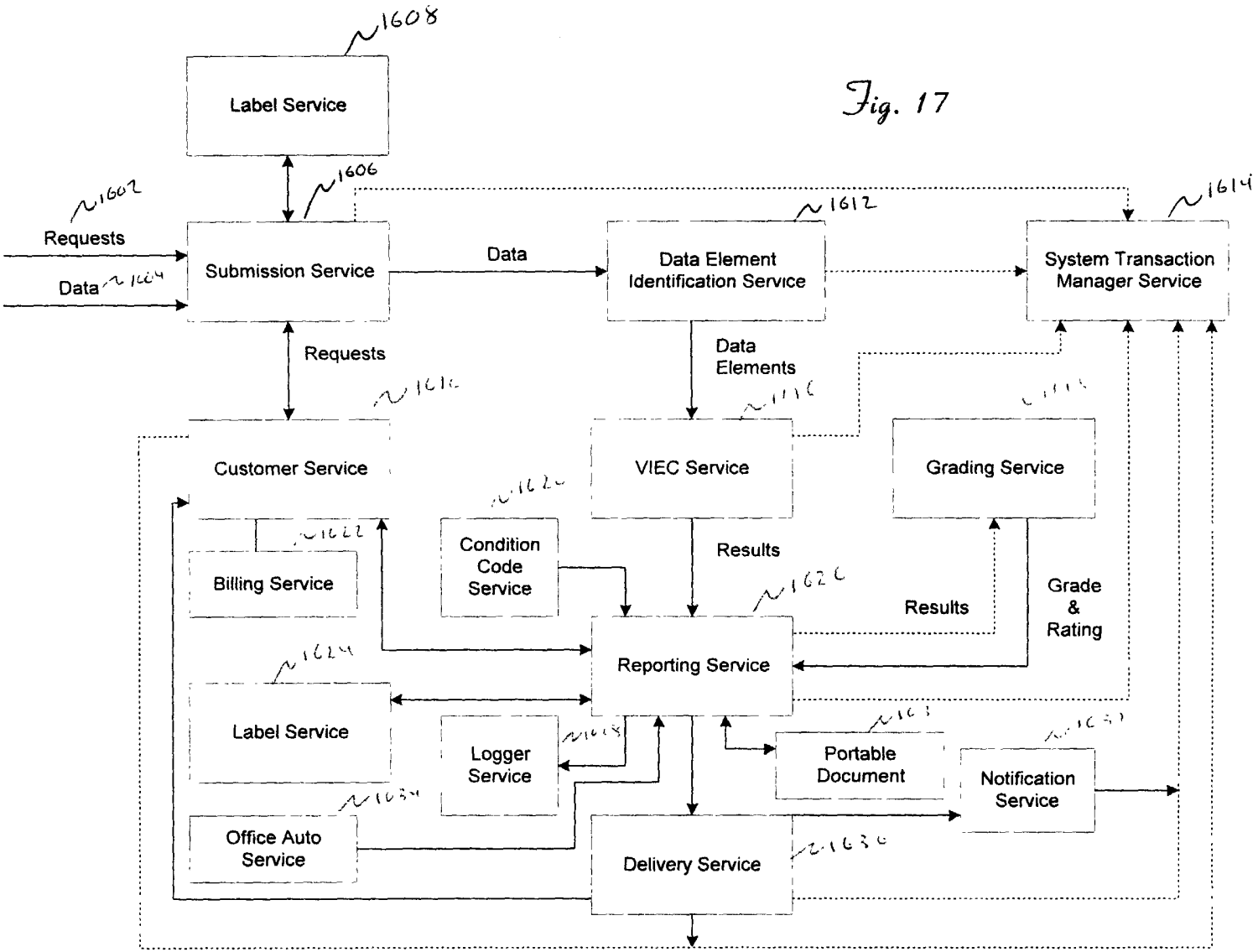


Fig. 17

Fig. 18a

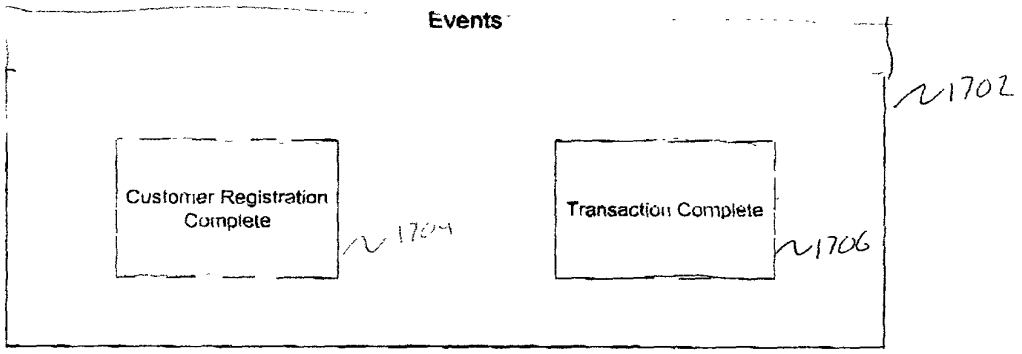


Fig. 18b

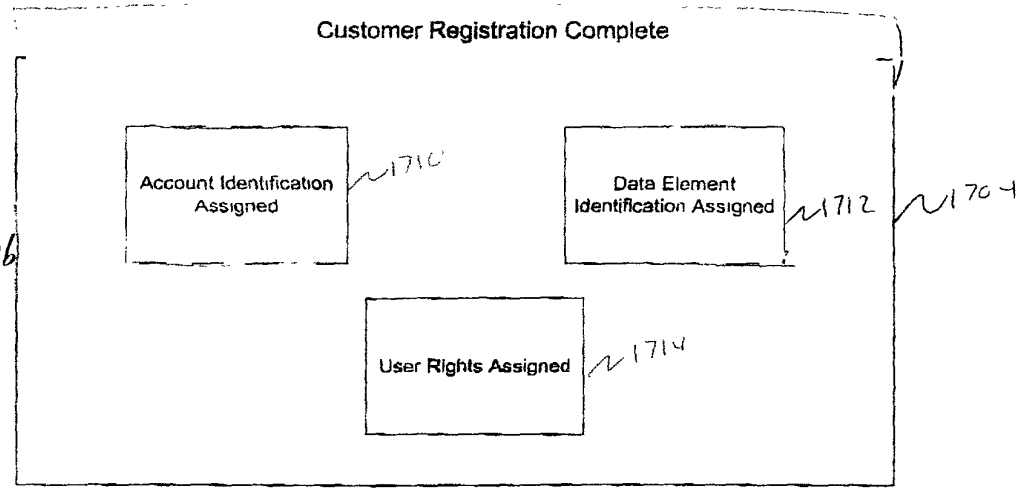
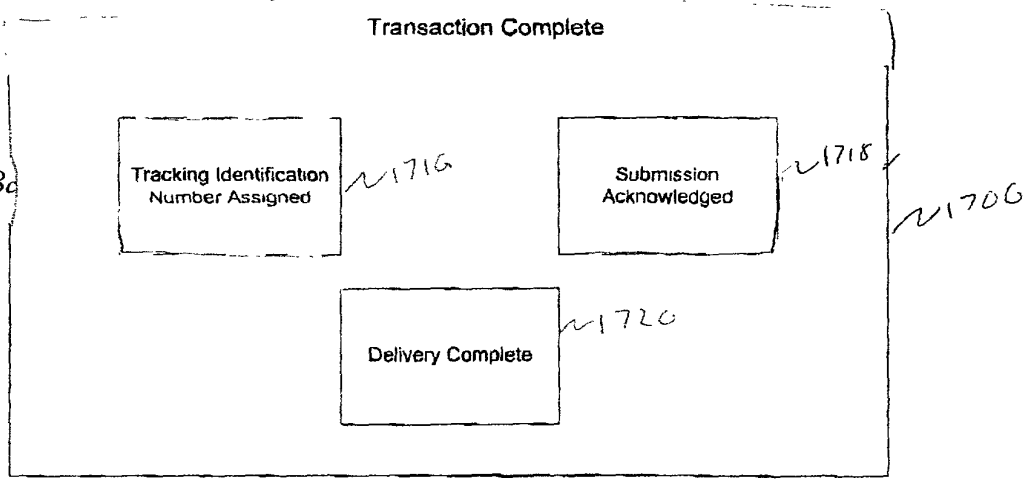


Fig. 18c



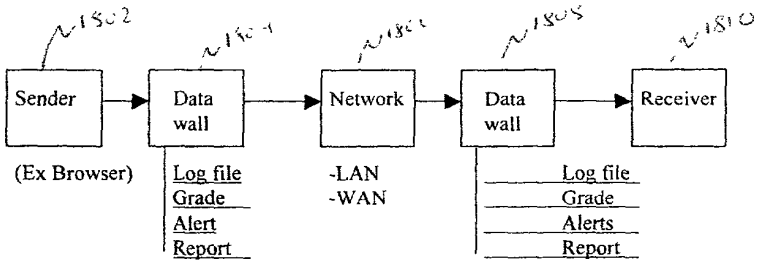


Fig. 19

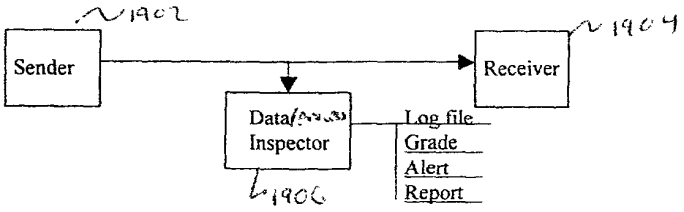


Fig. 20

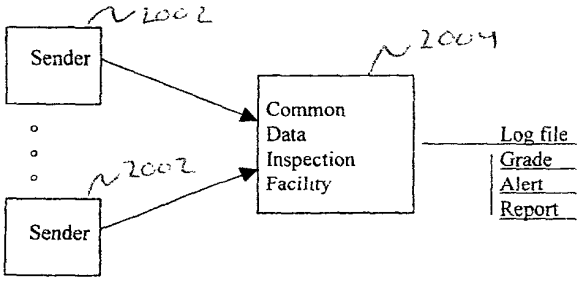


Fig. 21

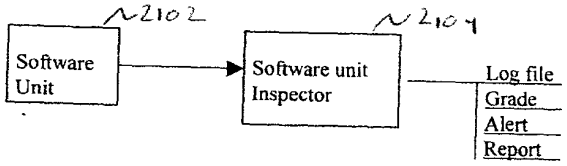


Fig. 22

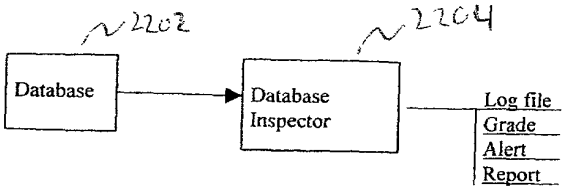
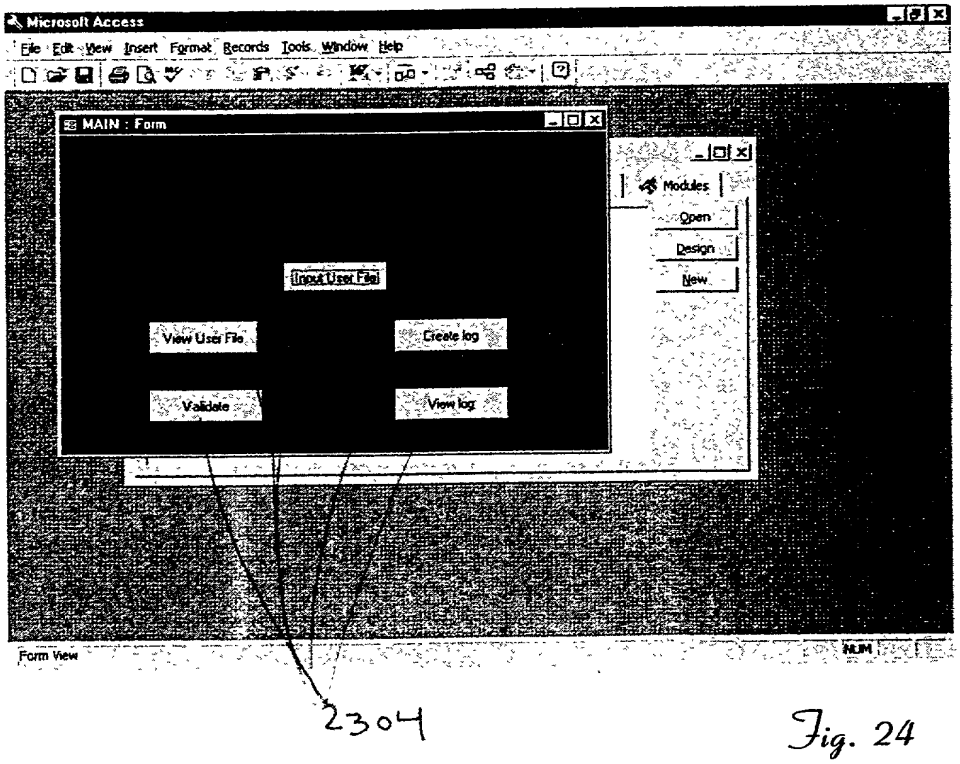


Fig. 23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View log
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Form View
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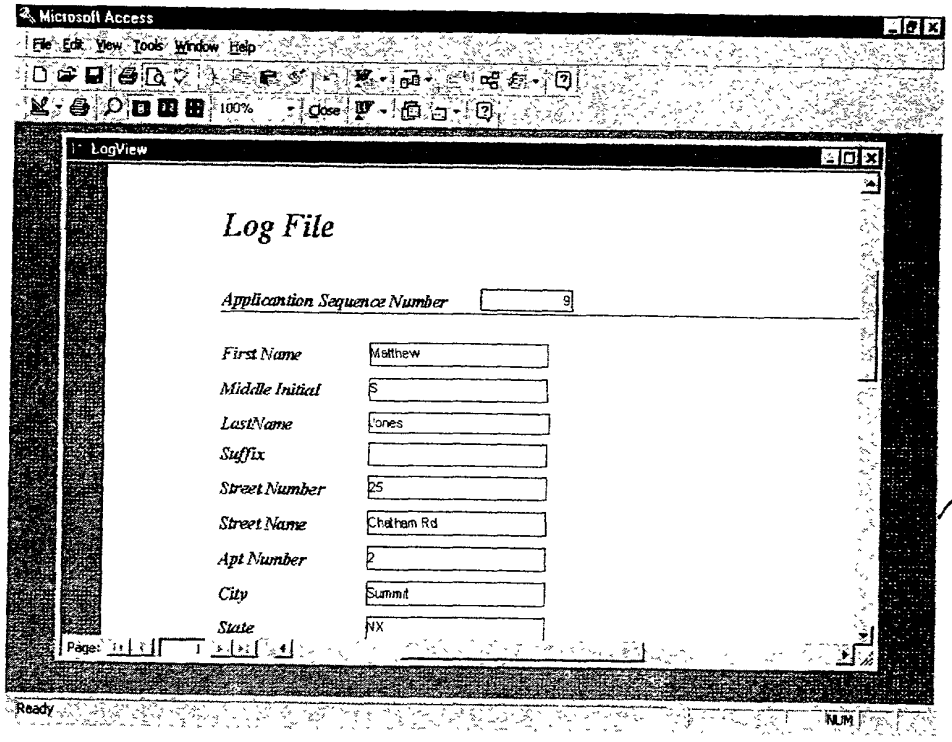
2302
2304

Fig. 24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NUM

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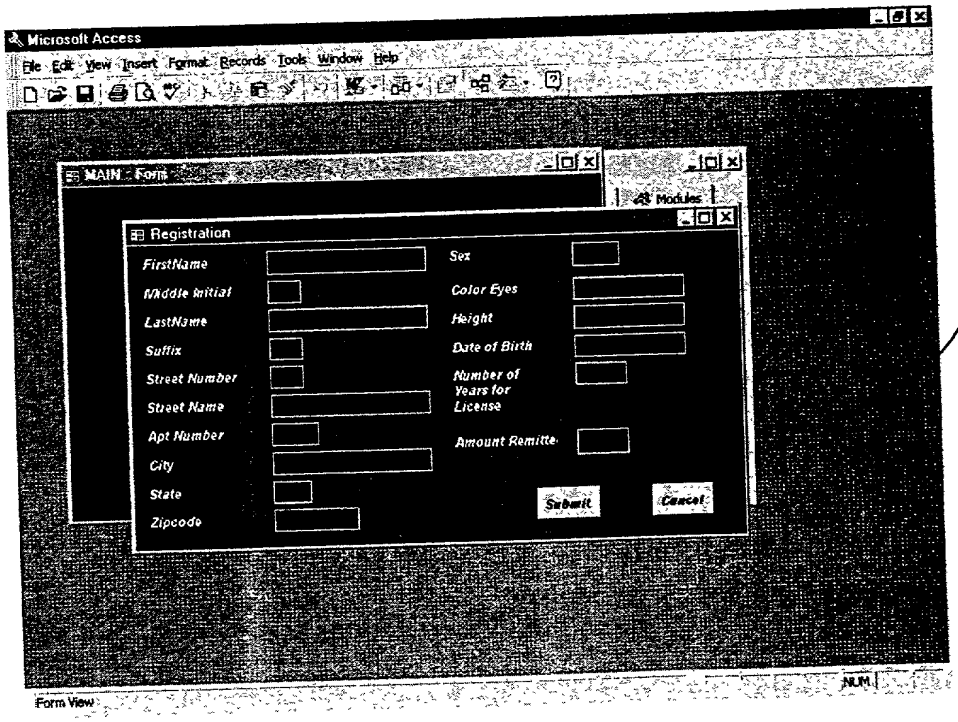
Fig. 25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Height
Date of Birth
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Submit
Cancel
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2502

Fig. 26